



11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209
501-455-3233 Fax 501-455-6118

31 May 2012

Jim Fleer
Oxford Environmental & Safety, Inc
14348 Nieman Rd.
Overland Park, KS 66221

RE: Arkwood Monthly Sampling
SDG Number: 1205271

Enclosed are the results of analyses for samples received by the laboratory on 24-May-12 09:15. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Preservation Confirmed	✓
Received On Ice	✓
Temperature on Receipt	4.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James".

Norma James
President

31 May 2012



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Project: Arkwood Monthly Sampling

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CASE NARRATIVE

SAMPLE DELIVERY GROUP : 1205271

SEMIVOLATILES:

The three compounds labeled (surr) on the attached final report are "surrogates." Recovery of surrogates is for lab use only to determine the effectiveness of the extraction procedure; surrogate recoveries are not analytical results. The three surrogate compounds are as follows: 2,4,6-tribromophenol, 2-fluorophenol, and Phenol-d5.

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ANALYTICAL RESULTS

Lab Number: 1205271-01
Sample Name: Mouth
Date/Time Collected: 5/23/12 10:35
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	10.9		5/30/12 11:25	A205357	8270D
2,4,6-Tribromophenol [surr]	%	91.7		5/30/12 11:25	A205357	8270D
2-Fluorophenol [surr]	%	38.2		5/30/12 11:25	A205357	8270D
Phenol-d5 [surr]	%	24.4		5/30/12 11:25	A205357	8270D

ANALYTICAL RESULTS

Lab Number: 1205271-02
Sample Name: Weir
Date/Time Collected: 5/23/12 10:15
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 5.00		5/30/12 11:47	A205357	8270D
2,4,6-Tribromophenol [surr]	%	35.5		5/30/12 11:47	A205357	8270D
2-Fluorophenol [surr]	%	19.2		5/30/12 11:47	A205357	8270D
Phenol-d5 [surr]	%	17.6		5/30/12 11:47	A205357	8270D

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QUALITY CONTROL RESULTS

Semivolatiles - Quality Control Analyzed: 30-May-12 10:01 By: LR

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A205357 - 3510C Modified

Blank (A205357-BLK1)

Prepared: 25-May-12 Analyzed: 30-May-12

Pentachlorophenol	ND	5.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	31.5		"	40.0		78.8	7.26-141			
Surrogate: 2-Fluorophenol	16.3		"	40.0		40.8	11.4-120			
Surrogate: Phenol-d5	10.3		"	40.0		25.7	6.55-116			

LCS (A205357-BS1)

Prepared: 25-May-12 Analyzed: 30-May-12

Pentachlorophenol	39.2	10.0	ug/L	40.0		98.1	62.2-120			
Surrogate: 2,4,6-Tribromophenol	36.4		"	40.0		90.9	7.26-141			
Surrogate: 2-Fluorophenol	18.5		"	40.0		46.3	11.4-120			
Surrogate: Phenol-d5	12.7		"	40.0		31.8	6.55-116			

Matrix Spike (A205357-MS1)

Source: 1205271-02

Prepared: 25-May-12 Analyzed: 30-May-12

Pentachlorophenol	39.2	10.0	ug/L	40.0	ND	97.9	38.7-153			
Surrogate: 2,4,6-Tribromophenol	9.11		"	40.0		22.8	7.26-141			
Surrogate: 2-Fluorophenol	7.86		"	40.0		19.6	11.4-120			
Surrogate: Phenol-d5	9.57		"	40.0		23.9	6.55-116			

Matrix Spike Dup (A205357-MSD1)

Source: 1205271-02

Prepared: 25-May-12 Analyzed: 30-May-12

Pentachlorophenol	39.1	10.0	ug/L	40.0	ND	97.9	38.7-153	0.0664	42.3	
Surrogate: 2,4,6-Tribromophenol	12.9		"	40.0		32.3	7.26-141			
Surrogate: 2-Fluorophenol	10.3		"	40.0		25.8	11.4-120			
Surrogate: Phenol-d5	10.4		"	40.0		26.1	6.55-116			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James
President

31 May 2012

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CHAIN OF CUSTODY FORM(S)



11701 Interstate 30, Bldg. 1, Ste. 115
Little Rock, AR 72209
PHONE: 501-455-3233
FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			Project Description			Turnaround Time			Preservation Codes:		
Oxford Environmental & Safety, Inc. 14348 Nieman Rd. Overland Park KS 66221			Arkwood Monthly Sampling			24 Hour 48 Hour 72 Hour Routine (5 Day)			1. Cool + 4 Degrees Centigrade 2. Sulfuric Acid (H ₂ SO ₄), pH < 2 3. Nitric Acid (HNO ₃), pH < 2 4. Thiosulfate for Dechlorination 5. Hydrofluoric Acid (HF) 6. Sodium Hydroxide (NaOH), pH > 12		
Attn: Jim Fleer			Reporting Information Telephone: 913-706-3422 Email: jfleer@oxfordands.com			Preferential Code Bottle Type			TEST PARAMETERS Beta Type Code		
Sampler(s) Signature: <i>Jim Fleer</i> Sampler(s) Printed: <i>James Fleer</i>			SAMPLE COLLECTION			SAMPLE IDENTIFICATION DESCRIPTION			Arkansas Analytical Work Order Number: 1205241		
Field Number	Dates	Time/s	Grab	Comp	Number of Batches	Sample Matrix	Pentachlorophenol (8270D)			01	
	5/23/2012	10:35	X		1	Water Mouth	X			02	
	5/23/2012	10:15	X		1	Water Weir					
1. Relinquished by: (Signature)			Date/Time			2. Received by: (Signature)			SAMPLE CONDITION UPON RECEIPT IN LAB		
<i>Jim Fleer</i>			5/23/2012 12:15			<i>Jim Fleer</i>			1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 2. CONTAINERS CORRECT: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 3. COOL LABELS AGREE: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 4. PRESERVATION CONFIRMED: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 5. RECEIVED ON ICE: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 6. TEMPERATURE ON RECEIPT: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
3. Relinquished by: (Signature)			Date/Time			4. Received by lab: (Signature)			REMARKS / SAMPLE COMMENTS		
<i>Jim Fleer</i>			5/24/12 09:15			<i>James Fleer</i>			MSMSD Collected from: <i>user</i> <i>O₂ flow: 50%</i> <i>O₂ flow: 2.262</i> <i>Disinfectant: 0.3, 8.0 ppm</i> <i>Flow Rate: 18.18</i>		